SPORT & RECREATIONAL OPTICS

BSA SCOPES WITH MIL - DOT RETICLES

Your new BSA riflescope is equipped with a Mil - dot reticle. "Mil" is an abbreviation for milliradian. The distance between the dots on your reticle or from the center cross wire to the nearest dot, is one milliradian at a magnification setting of 10x. The value of one milliradian at various distances may be found in the table below.

Value of one milliradian at a magnification setting of 10x:

Distance in yards	Value in inches
100	3.6
200	7.2
300	10.8
400	14.8
500	18.0
600	21.6
700	25.2
800	29.6
900	32.4
1000	36.0

Your Mil-dot reticle can also be used to estimate your distance to the target if the size of the target is known. Note the following formula.

$$\frac{\text{THY} \times 1000}{\text{MDH}}$$

THY= Your target height in yards.
MDH= Your target's height in Mil - dots.

For example, if you know that your target's height is one yard, and through the scope it measures two Mil - dots in height, it will be 500 yards away. You may then refer to the table above and note that the value of one Mil - dot at that distance is 18 inches. This will be useful for estimating the appropriate hold over.

WE HOPE THAT YOUR INCREASED UNDERSTANDING OF THE DESIGN AND CAPABILITIES OF OUR MIL - DOT RETICLE SCOPES WILL NOW ALLOW YOU MANY YEARS OF ENJOYMENT AND SATISFACTION WITH YOUR BSA PRODUCT. IF YOU SHOULD HAVE ANY QUESTIONS, PLEASE FEEL FREE TO DIRECT THEM TO THE ADDRESS AND PHONE NUMBER LISTED ON YOUR WARRANTY CARD.

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